

On page 7:

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While this invention has been described in connection with what is presently considered to be the most practical and preferred embodiment, it is to be understood that the invention is not limited to the disclosed embodiment but, on the contrary, is intended to cover various modifications and equivalent arrangements included within the spirit and scope of the appended claims.

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On substitute page 8, cancel claim 1 and add new claim 11 as follows:

11. A method for the transmission of payload data, which can be allocated to different applications, between an A-side and a B-side of an

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ATM transmission link having a transmitter side and a receiver side, the method comprising the steps of:

transmitting data allocated to respective individual applications within an ATM adaptation layer frame containing a plurality of ATM cells as payload data on the basis of structures that are formed by ATM cells contained in the ATM adaptation layer frame wherein respective payload data of the structures are capable of being forwarded differently dependent on receiver side application allocations; and

wherein the A-side and the B-side allocations of structure of the ATM adaptation layer frame are defined by administration.

On substitute page 8, amend claims 2-6 as follows:

2. (Amended) The method [Method] according to claim [1] 11, [characterized in that] wherein the plurality of ATM cells that [an] the ATM adaption layer frame contains is defined by administration.

3. (Amended) The method [Method] according to [one of the preceding claims, characterized in that] claim 11, wherein defining of whether the individual sub-structure are of the same size or not is [defined by] performed by administration.

4. (Amended) The method [Method] according to [one of the preceding claims, characterized in that, given] claim 11, wherein for sub-structures of the same size, the size of [the] individual sub-structures is defined by administration.

5. (Amended) ~~The method~~ [Method] according to [one of the claims 1 through 3, characterized in that the] claim 11, wherein a beginning of the first sub-structure within a frame is defined by the frame beginning.

6. (Amended) The method [Method] according to claim 3, wherein
5 [characterized in that], for [given] sub-structures of different size, the first
element of each sub-structure [indicates] is used to indicate the length of
the sub-structure element to which it belongs and [, thus,] when the next
sub-structure begins.

(On original page 9, amend claims 7-10 as follows:)

10 7. ~~(Amended) The method [Method] according to claim 11 [one of~~
the preceding claims, characterized in that], wherein for [in case of] sub-
structures of different size, the length of a sub-structure element is
defined by [the] a value range l of a length indicator field.

8. (Amended) The method [Method] according to claim 11, wherein
15 [one of the preceding claims, characterized in that] the ATM adaptiion
layer frame corresponds to [the] an AAL-5 frame according to [the] ATM
format [form [sic]].

9. (Amended) The method [Method] according to claim 11,
wherein [one of the preceding claims, characterized in that the] a
20 connection between the A-side and the B-side is bidirectional with respect
to the sub-structures of [an] the ATM adaption layer frame.

replaced by
Article 34

PATENT CLAIMS:

- 5 1. Method for the transmission of payload data, which can be allocated to different applications, between an A-side and B-side of an ATM transmission link, whereby data allocated to the individual applications are respectively transmitted in sub-structures containing the ATM cells within an ATM adaption layer frame containing a plurality of ATM cells and the payload data of the sub-structures can be forwarded differently respectively dependent on the receiver-side application allocations, characterized in that the A-side and the B-side allocation of the sub-structures of an ATM
10 adaption layer frame are defined by administration.
2. Method according to claim 1, characterized in that the plurality of ATM cells that an ATM adaption layer frame contains is defined by administration.
- 15 3. Method according to one of the preceding claims, characterized in that whether the individual sub-structures are of the same size or not is defined by administration.
4. Method according to one of the preceding claims, characterized in that, given sub-structures of the same size, the size of the individual sub-structures is defined by administration.
- 20 5. Method according to one of the claims 1 through 3, characterized in that the beginning of the first sub-structure within a frame is defined by the frame beginning.
- 25 6. Method according to claim 3, characterized in that, given sub-structures of different size, the first element of each sub-structure indicates the length of the sub-structure element to which it belongs and, thus, when the next sub-structure begins.